FREYDLIN, A.Ya., kandidat tekhnicheskikh nauk.

Technological productivity of stamping automobile bodies. Avt.i trakt.prom. no.4:34-39 Ap '57. (MLRA 10:5)

1.Gor'kovskiy avtozavod imeni Molotova. (Automobiles-Bodies)
(Sheet-metal work)

FREYDLIN, Abram Yakovlevich, kand.tekhn.nauk; SVERDLOV, M.I., kand. tekhn.nauk, red.; KUBNEVA, M.M., tekhn.red.

[Cold forging techniques: stenographic record of a report]
Tekhnika kholodnoi shtampovki. Stenogramma doklada. Leningrad, Leningr.dom nauchno-tekhn.propagandy, 1958. 47 p.
(MIRA 12:9)

(Metals--Cold working) (Sheet-metal work)

KISELEV, I.I.; BORISOV, N.I.; YASINOVSKIY, B.S., inzh.; SANNIKOV, Yu.K., inzh.; SOKOLOV, V.A., inzh.; LEVCHENKO, L.D., inzh.; NALOYEV, G.A., inzh.; CHICHAKOV, K.K., inzh.; BARYKIN, V.I., inzh.; FREYDLIN, A.Ya., inzh.; GULYAYEV, A.I., inzh.; STIGNEYEV, Ya.F., inzh.; SHAGANOVA, K.N., inzh.; KHELIMSKIY, I.Ye., inzh.; AVROV, A.N., inzh.; DEMIDOVA, M.I., inzh.; NIKIFOROVA, Ye.D., inzh.; KLIBANOVA, F.I., inzh.; CHIVKUNOV, K.I., inzh.; STOROZHKO, I.G., inzh.; NOVAKOVSKIY, Ye.Ya., inzh.; GOYKHTUL', A.O., inzh.; TARASOV, A.M., inzh.; SHISHKO, A.P., inzh.; UVAROV, P.T., ekonomist; DRAGUNOV, M.V., ekonomist; KARANDASHOV, A.A., ekonomist; KONKIN, M.V., ekonomist; GOREV, M.S., ekonomist. Prinimali uchastiye: LAPIN, T.I.; RAMENSKIY, Yu.A.; KADINSKIY, B.A.; SOKOLOV, S.D.; STOROZHKO, I.G.; FOMINYKH, A.I., POLYAKOVA, N.,

[Organization and improvement of production; practices of the Gorkiy Automobile Plant] Organizatsiia i sovershenstvovanie proizvodstva; opyt Gor'kovskogo avtozavoda. Moskva, Gos. izd-vo polit. lit-ry, 1958. 332 p. (MIRA 12:2)

1. Direktor Gor'kovskogo avtomobil'nogo zavoda (for Kiselev).

2. Glavnyy inshener Gor'kovskogo avtomobil'nogo savoda (for Borisov).
3. Gor'kovskiy avtomobil'nyy zavod (for all except Kiselev, Borisov, Polyakova, Smirnov).

(Gorkiy--Automobile industry)

25(1)

PHASE I BOOK EXPLOITATION SOV/3123

Freydlin, Abram Yakovlevich, Candidate of Technical Sciences

- Tekhnika kholodnoy shtampovki; stenogramma doklada (Technique of Cold Stamping; Transcription of a Report) Leningrad, 1958. 48 p. 6,200 copies printed.
- Sponsoring Agencies: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR, Leningradskiy dom nauchno-tekhnicheskoy propagandy; and Nauchno-tekhnicheskoye obshchestvo priborostroitelnoy promyshlennosti. Sektsiya kuznetsov i shtampovshchikov.
- Ed.: M. I. Sverdlov, Candidate of Technical Sciences; Tech. Ed.: M. M. Kubneva.
- PURPOSE: The book is intended for foremen and skilled workers in cold-stamping departments.
- COVERAGE: This booklet deals with the development of cold-stamping equipment in recent years and problems connected with the design

Card 1/3

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3

Technique of Cold Stamping (Cont.)	SOV/3123	
of dies and cold-stamping operations. types, designs, and operation of cold-s personalities are mentioned. There ar Soviet, 14 English, 5 derman, and 1 Fr	re 39 references: 19	
TABLE OF CONTENTS:		
Ch. I. Presses for Cold Stamping Gap-frame presses Two-column high-speed presses and larg Double-and triple-action presses Embossing machines Hydraulic presses Multiple-operation automatic presses Transfer machines Universal and specialized equipment Clutches for modern presses Mechanization and automation of press Individual improvements in presses		3 7 11 12 12 13 16 17 18 19 23
Card 2/3		
	ana kamuni sasaran da katapi sasaran madan masaran manan	

card 1/9

"APPROVED FOR RELEASE: 06/13/2000	CIA-RDP86-00513R000413620020-3
Technique of Cold Stamping (Cont.)	
	SOV/3123
Ch. II. Cold-stamping Processes Economical layout of material	27 36
Ch. III. Dies	
Bibliography	36
AVAILABLE: Library of Congress (TJ1450.	B7)
Card 3/3	
	VK/os 3/16/60
The order of the second of the second	
	4-204
	SOV/229
06/13/2000	CIA-RDP86-00513R000413620020-3
PHASE I BOOK EXPLOIT Novoye v tekhnologii vysokoproizvodite (New Fernance i New Fe	CIA-RDP86-00513R000413650020-3 ATION agandy imeni F.E. Dzertise 20020-3 agandy imeni F.E. Dzertise 20020-3 agandy imeni F.E. Dzertise 20020-3 attampovki; a
PHASE I BOOK EXPLOIT	listovoy Methodsonfer-
25(1,5) Dom nauchno-tekhnicuter Fe	atures of lection 8,000
Moscow. Dom nauchno-tekhnico dite Moscow. Dom nauchno-tekhnico dite Moscow. Dom nauchno-tekhnico dite Moscow. Dom nauchno-tekhnico dite V tekhnologii vysokoproliva ke Konferentsii (New Ke Konferentsii (New Ke Konferentsii (New Ke Konferentsii (New Ke Moscow, Mashki RSFSR. Sponsoring Agency: RSFSR. V.T. Meshcherin, date Nordoliva date ookole	z, 1959•
teknidov kon Sheet was well to the trudov kon Sheet was well with the sheet was well as the sheet was a sheet	professor;
sborn productions) High productions	saspros
copies printo Obshahes	r of Technical Sciencent; Model's hgiz):
goring ab znamly worin, date	of toll School Building
nauchio v.T. Meanor Cand of Te	V) Teo Machine and theers and to
Resp. Eds. V.D. Canada d.N. ture of	intended for be user
Ye. Nishing to for Engineer.	pers 18 It may
Managa Golova collection of a	Rasprostraneniyu politiches. Rasprostraneniyu politiches. Professor; Professor; Professor; Professor; Rachical Sciences, pocent, and Professor; Rachical Sciences, pocent, Ed. Professor; Rachical Sciences, pocent, Ed. Professor; Rachical Sciences, pocent, Ed. Rachical Sciences, pocent, and Rachical Sciences, pocent, and Rachical Sciences, pocent, and Not Technical
PURPOSE: 1018ns in sheet	chnical Sc Ed.: Building to rech. Tech. Building to Machine Building to Heavy Machine Building and to Heavy Machine for engineers and to pers is intended for engineers to useful to heavy also be useful to heavy also be useful to heavy to
technic	

Freydlin. A vo

Goriva

```
SOV/2294
                             COVERAGE: This collection deals with the design and features of Also discusses some current problems in sheet metal stamping.
                                           This collection deals with the design and features of Also discussed also discussed and features of the stamping. Several some current problems in sheet metal stamping. Several are processing methods still in the experimental stage.
                                           some current problems in sheet metal stamping. Also discussed several stamping. Several are processing methods still in the experimental stage. Stamping are processing methods mechanization and automation of stamping articles deal with the mechanization and automation.
                        New Features (Cont.)
                                             are processing methods still in the experimental stage. stamping still in the experimental stage. stamping methods still in the experimental stage. stamping articles deal with the mechanization and automation of such as mechanization and methods. Such as processes and describe recently developed methods.
                                              articles deal with the mechanization and automation of stam processes and describe recently developed methods, such as processes and describe use of automatic rotary transfer line articles forming.
                                                processes and describe recently developed methods, such as no processes and describe recently developed methods, such as no personalities are mentioned. References follow several of the articles.
                                                                                                                                                                                                                                                                                                      3
                                                 Meshcherin, V.T., [Doctor of Technical Sciences, Machine Too Stankoinstrumental invo institut. Moskva (Moscow Machine Too Stankoinstrumental invo institut.
                                                   Meshcherin, V.T., [Doctor of Technical Sciences, Machine Tool (Moscow Problems of Institut, Moskva (Moscow Problems of Basic Manufacturing Problems of Machine Tool Machine Machine Machine Machine Tool Machine Tool Machine Tool Machine Tool Machine Tool Machine M
                                             TABLE OF CONTENTS:
                                                                                                                                                                                                                                                                                                            5
                                                Preface
                                                       the Near Future
                       APPROVED FOR RELEASE: 06/13/2000 CIA-RDFC.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDFC.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDFC.

Solve in the materials labor productivity, shapes of work-

solve in the materials used, stamping operations of work-

working speed, and the correct meanin
                                       ROVED:

The materials used, stamping operations and technic of basic operational time.

The speed, and the correct meaning
                        Pikhtovnikov, R.V. [Doctor of Technical Sciences, Professor, khar'kovskiy aviatsionnyy institut (Khar'kov Aircraft Institut
                      Pikhtovnikov, R.V. [Doctor of Technical Sciences, Professor, Use of an Explosive Wave for Drawing and Forming Medium and Porming Medium and Police (Medium and Police)].
                      Was of an Explosive Wave for Drawing and Forming Medium and
                                                                                                                                                                                                                                                               804/2294
                    Large Parts in Small-scale Production
                              rge Parts in Small-scale Production
The author discusses experimental fabrication of shallow on an explosive wave caused by compounder
                            The author discusses experimental fabrication of shallow gasoline. Or natural gas.
            Koshkin, L.N. [Candidate of Technical Sciences]. New Possibilities in the Development of Sheet Metal Stampi
           Roshkin, L.N. [Candidate of Technical Sciences]. New in Connection With the Development of Sheet Metal Stamping of Automatic Rotary Transfer
          Possibilities in the Development of Sheet Metal Stamping Machines
         Machines
                 enines
Mechanical and hydraulic rotary transfer machines are
described. The flexibility of these machines allows
              Mechanical and hydraulic rotary transfer machines are facility of control, inclusion of chemical and heat treatant transition into fully auto-
                                                                                                                                                                                                                                                                      55
           racility of control, inclusion of chemical and heat treat-
matic lines. Process, and smooth transition into fully auto-
Card 3/9
                                                                                                                                                                                                                                                          31
                                  New Features (Cont.)
```

New Features (Cont.)

SOV/2294

Konovalova, I.I. [Engineer, Zavod "Metalloizdeliye", Leningrad (Leningrad Metal Products Plant)]. Transfer Machines for Making Safety-razor Blades

206

217

Fabricating processes and machinery for automatic lines are described, and information on tool life, heat treatment, grinding, and packing of blades is given.

Lanskoy, Ye.N. [Candidate of Technical Sciences, Docent, Moscow Machine Tool and Instrument Institute]. Selection of a Crank Press for Required Force and Work Parameters The author discusses flywheel effect, the meaning of nominal force (capacity), the magnitude of force at various angles of the crank, the work delivered by motor and flywheel, and the work of deformation. Recommendations for selecting the proper press for a given stamping operation are presented.

AVAILABLE: Library of Congress

GO/ajr

Card 9/9

10-21-59

GUSEV, M.S.; GUSEV, V.M., kandidat tekhnicheskikh nauk, redaktor; KAPLAN, M.Ya., redaktor; FREYDLIN, G.I., inshener; PUL'KINA, Ye.A., tekhnicheskiy redaktor.

[Installation of sanitation equipment in residential and civic construction] Opyt montasha sanitarno-tekhnicheskikh ustroistv v shilishchnom i grashdanskom stroitel'stve. Leningrad, Gos. izdvo litery po stroitel'stvu i arkhitekture, 1953. 32 p. (MLRA 7:8)

1. Brigadir santekhnikov Leningradskogo tresta Santekhmontazh. (for Gusev. M.S.)
(Plumbing)

GONCHAROV, F.S., kand.tekhn.nauk; FREYDLIN, G.I., inzh.; SLADKOMEDOV, N.I., inzh.

Asbestos-cement sewage stand pipes for industrial buildings and apartment houses. Nov.tekh.mont.i spets.rab.v stroi. 21 no.9:21-22 S '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel skiy institut gidrotekhnicheskikh i sanitarno-tekhnicheskikh rabot (for Sladkomedov). (Pipe, Ashestos-cement)

ALEKSEYEV, Ye.K., inzh.; IZGUR, R.M., inzh.; LYUKE, Ye.P., inzh.; NIKO-LAYEVSKIY, Ye.Ya., inzh.; PIROGOV, A.N., inzh.; RODIONOVA, R.G., inzh.; TOYBIN, V.A., inzh.; FREYDLIN, G.M., inzh.; KHLYUPINA, A.K., inzh.; CHERNOV, D.L., inzh.; EYDEL'NANT, L.B., inzh.; ZHMUR, N.S., inzh., retsenzent; MOLYUKOV, G.A., inzh., red.; TIKHAHOV, A.Ya., tekhn.red.

[Production and installation of pipe systems; reference manual]
Izgotovlenie i montazh tekhnologicheskikh truboprovodov; spravochnoe posobie. Moskva. Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960. 574 p.
(Pipe fitting)

FEDOSEYEVA Z.K.; FREYDLIN, G.N.

Chemical removal of formic acid from acetic acid with potassium permanganate and bichromate. Knim.prom. no.5:306-307 J1-Ag *56.

1. Yerevanskiy zavod "Polivinilatsetat."
(Acetic acid) (Formic acid) (Potassium salts)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3"

LOSEY, I.P.; FEDOTOVA, O.Ya.; FREYDLIN, G.N.

Alcoholysis of polyvinyl acetate in presence of polyacids as catalysts. Report No. 1: Study of the rate of reaction. Izv. AN Arm. SSR ser. khim. nauk 10 no.6:403-410 157. (MIRA 11:6)

1.Yerevanskiy zavod "Polivinilatsetat."
(Alcoholysis) (Acetic acid) (Chemical reaction, Rate of)

REYDLIN, G. N., Cand Tech Sci — (diss) "Alcoholysis of polyvinyl acetate in the presence of a series of cation-exchange resins and sulfo-acids." Mos, 1958. 12 pp (Min of Higher Education USSR, Mos Order of Lenin Chem-Technol Inst im D. I. Mendeleyev), 100 copies (KL, 15-58, 116)

-51-

LOSEV, I.P.; FEDOTOVA, O.Ya.; FREYDLIN, G.N.

Preparation of polyvinyl alcohol by the alcoholysis of polyvinyl acetate in the presence of polyacids as catalysts. Report no.2:
"Life span" of catalysts and feasibility of their regeneration.

IEV. AN Arm. SSR khim. nauk 11 no.1:31-36 158. (MIRA 11:6)

1.Yerevanskiy zavod "Polivinilatsetat."
(Acetic acid) (Alcoholysis) (Catalysis)

FREYDLIN, G.N.; ZHENODAROVA, S.M.; CHUKUR, A.P.; FOMINA, N.V.

Vinyl monomers based on dicarboxylic acids. Part 1: Monoesters of adipic and succinic acids. Zhur.ob.khim. 32 no.31792-794.

Mr '62. (Adipic acid) (Succinic acid)

5/079/62/032/003/003/007 0204/0302

Freydlin, G.N., Zhenodarova, S.N., Fomina, N.V. and Chukur, : WIOHTUA

Vinyl monomers based on dicarboxylic acids. II. Vinyl TIPLE:

alkyl esters of succinic and adipic acids

Zhurnal obshchey khimii, v. 32, no. 3, 1962, 795-798

TEXT: Preparation and properties of the above esters was studied owing to the possibility of producing from them internally plasticized polymers. PERIODICAL: Direct vinylation of monoesters in the liquid phase and the "vinyl exchange" methods were tried. Normal butyl, amyl, hexyl, octyl and nonyl change methods were tried. Normal outyl, amyl, nexyl, outyl and honyl vinyl adipates were synthesised by the catalytic reaction with acetylene in an autoclave, at 160-180°C and 20 atm, over Cd acetate, inhibiting polymerization with hydroquinone. Optimum conditions for this reaction shall be determined in future work. Succinic monoesters were found to be too unstable to be treated in this manner. Vinyl n-R esters (R=methyl to docyl inclusive) of succinic and adipic acids were prepared, in 30-70 and

Card 1/2

S/079/62/032/003/003/007 D204/D302

Vinyl monomers based on ...

50-97% yields respectively, by the action of vinyl acetate on the corresponding monoester at either 20°C for 5-7 days or 30-40°C for 50 hrs. using lig acetate/conc. Il₂SO₄ as a catalyst and hydroquinone as an inhibitor. The yields were reduced at higher temperatures. Experimental details are given and physico-chemical properties of the products are tabulated. There are 2 tables and 12 references: 6 Soviet-bloc and 6 non-lated. There are 2 tables and 12 references to the English-language pubsoviet-bloc. The 4 most recent references to the English-language publications read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,153,987, 1:cations read as follows: US Pat. 2,472,434,(1949); US Pat. 2,472,434,(

SUBMITTED: January 30, 1961

Card 2/2

S/080/62/035/005/015/015 D247/D307

Freydlin, G. N. and Davydov, V. N. AUTHORS:

Separation of phthalic acid by esterification without

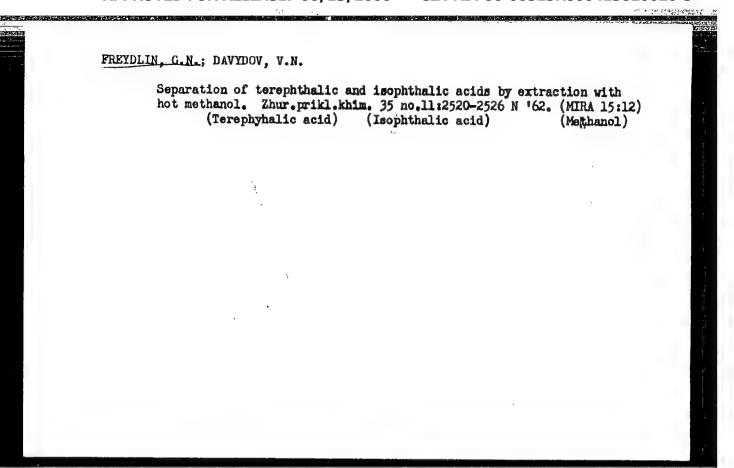
TITLE: a catalyst

Zhurnal prikladnoy khimii, v. 35, no. 5, 1962, PERIODICAL:

1150-1153

TIXT: The authors aimed at developing a method of separating isophthalic (I) and terephthalic (II) acids, based on selective esteprinciple (1) and well-off under pressure, to obtain II from a mixture rification with MeOH under pressure, to obtain II from a mixture of m- and p-xylenes rather than from the expensive pure p-xylene. The relative rates of esterification varied with temperature, MeOH:acid ratio (n) and time. Thus the rate of esterification of I, at 170 - 18000 and 100 - 200 atm, is 7 - 10 times greater than that of II; raising (n) increased the rate of reaction of II at 180°C (over 1 hr) but not of I. Presence of water retarded both processes to the same extent. The optimum time was 40 - 80 min. The content of II could be raised from 25 - 60% to 87 - 96% by esterification

Jara 1/2



FREYDLIN, G.N.; LITOVCHENKO, N.N.

Imparting water repellent properties to polyvinyl alcohol with beta-naphthalenesulfonic acid. Khim.volok. no.2:15-18 '63.

(MIRA 16:5)

1. Lisichanskiy filial Gosudarstvennogo nauchno-issledovatel skogo i proyektnogo instituta azotnoy promyshlennosti i produktov

organicheskogo sinteza. (Vinyl alcohol r

(Vinyl alcohol polymers)
(Naphthalenesulfonic acid)

L 17480-63 EWP(j)/EWT(m)/BOS ASD PC+4 RM ACCESSION NR: AP3004760 S/0183/63/000/004/0024/0026

AUTHORS: Freydlin, G. N: Litovchenko, N. N.; Oghovskaya, G. D.

TITLE: Chemical processes occurring in waterproofing with polyvinyl alcohol of Bota-naphthalene sulfonic acid

SOURCE: Khimicheskiye volokna, no. 4, 1963, 24-26.

TOPIC TAGS: polyvinyl alcohol, naphthalene, sulfonic acid, waterproofing.

ABSTRACT: Authors investigated the mechanism of the waterproofing method worked out by Freydlin and Litovchenko (Khim. volokna, no. 2, 1963, 15). It was established that the waterproofing is effected by the formation of B-naphthalene sulfonic acid esters of polyvinyl alcohol (PVA). Chemical and X-ray studies indicated that the given method does not cause discernible changes in the crystallinety of the polyvinyl alcohol. "In conclusion we express thanks to V. A. Kachanov (Ligichanskiy filial GIAP) for help and participation in carrying out X-ray analysis and radiometric measurements". Orig. art. has:

ASON: LISICHANSK BRANCH, STATE DESIGN AND PLANNING SCI. RES. INST. FOR THE NITROGEN INDUSTRY.

Card 1/2/

L 14948-63

EMP(j)/EPF(c)/EMT(m)/BDS ASD Pc-4/Pr-4 RM/WW

ACCESSION NRI AP3003790

\$/0190/63/005/007/1008/1011

AUTHORS: Freydlin, G. N.; Zhenodarova, S. M.; Fondna, N. V.; Chukur, A. P.

66

TITLE: Polymerization of winylalkyl esters of dicarboxylic acids

15

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, no. 7, 1963, 1008-1011

TOPIC TAGS: polymerization, vinylalkyl ester, dicarboxylic acid, benzoyl peroxide

ABSTRACT: The polymerization process of vinylalkyl esters of succinic, glutaric, and adipic acids was studied. Experiments were conducted in sealed ampules containing 20 gms of the monomer and 0.1 gm of dissolved benzoyl peroxide in an atmosphere of either nitrogen or air. The ampules were placed in a water bath at temperatures ranging from 65 to 120C, and the progress of the polymerization followed by bronden number determination. It was found that the rate of polymerization increased with the temperature, the yield of the vinylmethylsuccinate polymer at 100C being more than ten times the yield at 80C. In a vacuum the polymerization proceeded at a higher rate and at lower temperatures, while the presence of oxygen delayed it. It was also recorded that the esters of adipic acid polymerize somewhat faster as compared with the esters of succinic and glutaric acid. But it

Card 1/2

1 14948-63

ACCESSION NR: AP3003790

was also found that the induction period of polymer formation increases from vinylmethylsuccinate to vinylhexylsuccinate and practially ceases with the vinylhyptylsuccinate ester. Orig. art. has: 1 chart and 4 tables.

ASSOCIATION: Idsichanskiy filial gosudarstvennogo nauchno-issledovatel skogo i proyektnogo instituta azotnoy promy*shlennosti i productov organicheskogo sinteza (Idsichan Branch of the State Scientific Research and Production Institute of the Nitrogen Industry and Products of Organic Synthesis)

SUBMITTED: 18Dec61

DATE ACQ: 08Aug63

ENCL: 00

SUB CODE: CH

NO REF SOV: OOA

OTHER: OOA

Card 2/2

FREYDLIN, G.N.

S/079/63/033/003/005/005 A066/A126

AUTHORS:

Freydlin, G.N., Zhenodarova, S.M., Chukur, A.P., Fomina, N.V.

TITLE:

Vinyl monomers on the basis of dicarboxylic acids. III. Vinyl alkyl esters of glutaric acid. Vinyl cyclohexyl and vinyl benzyl esters of succinic, and adipic acid

PERIODICAL:

Zhurnal obshchey khimii, v. 33, no. 3, 1963, 934 - 938

TEXT: The authors describe the synthesis of vinyl alkyl esters of glutaric acid and of normal aliphatic alcohols from methyl to decyl alcohol, as well as the synthesis of vinyl cyclohexyl and vinyl benzyl esters of succinic, and adipic acid. The purpose of the present work was to study the influence exerted by the structure of the substituent in the side chain on the properties of the polymer. The vinyl esters were synthesized as follows with suitable alcohols. The monoester was subjected to a "vinyl exchange" reaction with the participation of vinyl acetate. The monoalkyl glutarates were found to be very stable, colorless liquids which are able to withstand vacuum distillation. Furthermore, they boil in vacuo at high temperatures.

Card 1/2

Vinyl monomers on the basis of ...

S/079/63/033/003/005/005

The monocyclohexyl and monobenzyl esters of succinic, glutaric, and adipic acid boil at high temperatures and decompose during distillation. There are 4 tables.

ASSOCIATION: Lisichanskiy filial Gosudarstvennogo instituta azotnoy promyshlennosti i produktov organicheskogo sinteza (Lisichansk Branch of the State Institute for the Nitrogen Industry and for Products of Organic Synthesis)

SUBMITTED:

February 27, 1962

Card 2/2

CIA-RDP86-00513R000413620020-3" APPROVED FOR RELEASE: 06/13/2000

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3

GOLIGHTEW, I.M.; FREYDLIN, G.N.

Hydrolysis of methyl dicarboxylates on KU-2 cation walkergars.

Zhur. prizl. xhim. 37 no.11:2540-2543 N 164 (MERA 1201)

FREYDLIN, G.N.; SOLOP, K.A.

Kinetics of the polymerisation of vinyl ester of N,N-disobutylglutaramide. Vysokom. soed. 7 no.6:1060-1064 Je '65. (MIRA 18:9)

1. Filial Gosudarstvennogo instituta azotnoy promyshlennosti, see and special Severodonetsk.

GOL DENSHTEYN, 1.M.; FREYDLIN, G.N.

Hydrolysis of diesters of dicarboxylio soids on the KU-2 cation exchanger. Zhur.prikl.khim. 38 no.6:1345-1348 Je *65.

(MIRA 18:10)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3

FREYDLIN, G.N.; ADAMOV, A.A.; ZAYTSEV, P.M.

Vinyl monomers on a base of dicarboxylic acids. Part 6: Direct vinylation of the monoesters of dicarboxylic acids with acetylene. Zhur. org. khim. 1 no.4:666-670 Ap *65. (MIRA 18:11)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3

FREYDLIN, G.N.; CHUKUR, A.P.; DZAROKHOKHOVA, L.I.

Vinyl monomers based on dicarboxylic acids. Part 7: Vinyl alkyl esters of aselaic and sebsoic acids. Zhur. org. khim.
1 no.8:1367-13t9 Ag *65.

(MIRA 18:11)

COLDER HTEXH, L.M.; FREYDLIN, G.H.

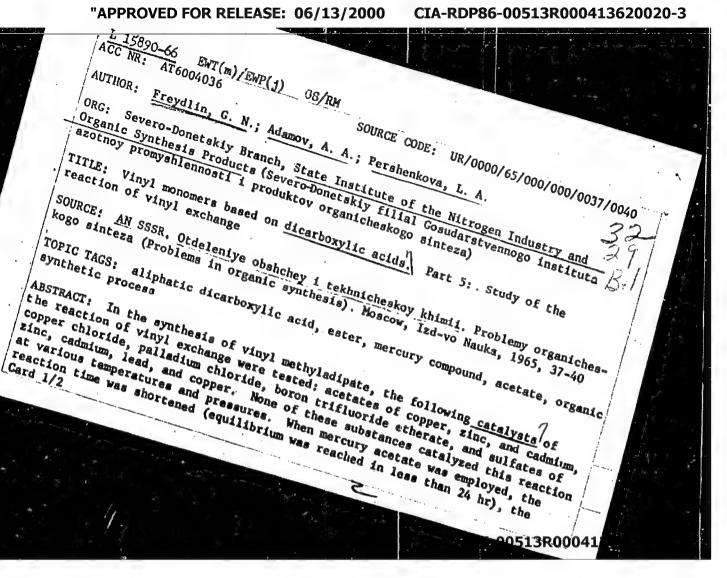
Hydrolysis of diestors of dicarboxylic acids on ion suchangers. Zhur.prikl.khim. 38 no.11:2538-2540 N *65.

Hydrolymis of diesters of carboxylic acids on the KU-2 ontion exchanger under dynamic conditions. Ibid.:2541-2544

(MIRA 18:12)

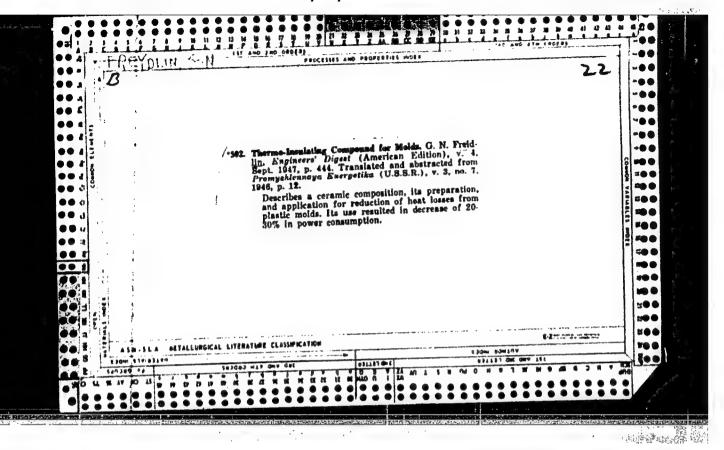
1. Submitted November 14, 1963.

"APPROVED FOR RELEASE: 06/13/2000



by-product:	16004036 Ate was accelerated accelerated the second accelerated the	ed by a rising tempers oleate, butyrate, meth rmed. The vinyl excha	Argarbace) Acce	obtained, and n	3,44
	G	yl esters. Orig. art. 24Dac63 / ORIG REF:	nes: 1 figure	and 1 table.	
. •					
,				, •	
			•	•	
•	•	``			
	•		•	. (*)	
	. •			•	
	•				-

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3



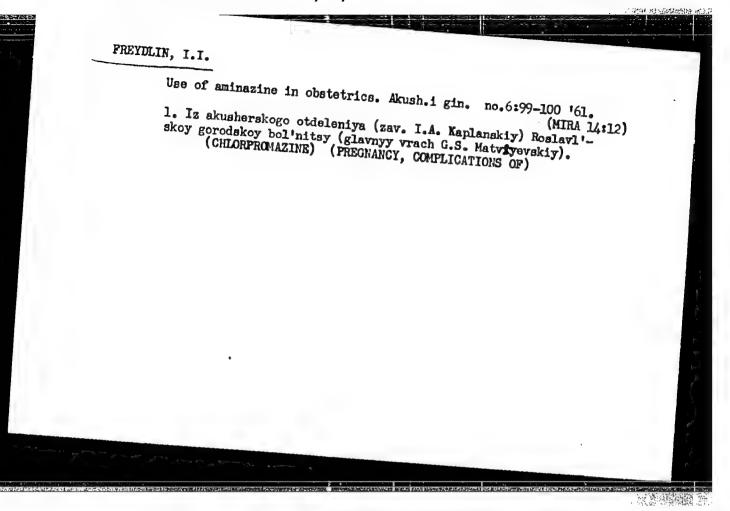
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3

Use of aminazine for treatment of early_tox'.coses in pregnancy.
Vop. okh. mat. i det. 6 no.11:66-68 N '61. (*** 14:12)

1. Iz akusherskogo otdeleniya (zav. I.A.Kaplanskiy) Roslavl'skoy gorodskoy bol'nitsy (glavnyy vrach G.S.Matviyevskiy)

(PREGRANCY, COMPLICATIONS OF)

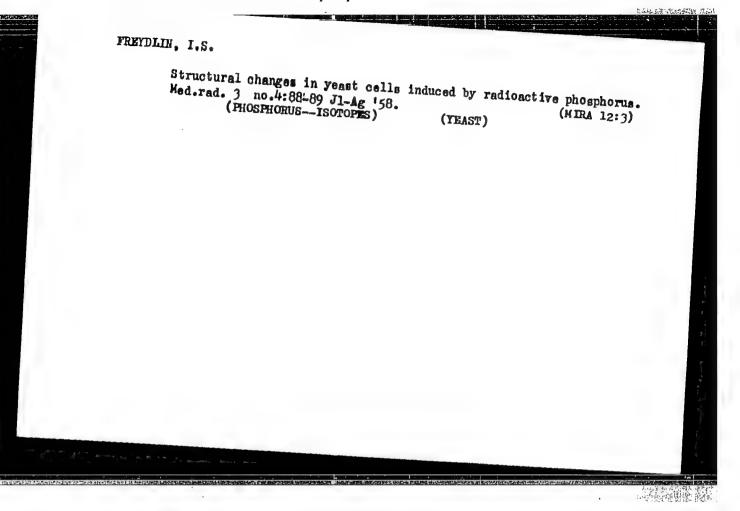
(CHLORPROMAZINE) (TOXEMIA)



FREYDIN, I.L.; MONAKHOVICH, L.S.

Several problems in developing the industry and transportation of the European part of the northern U.S.S.R. Prob. Sev. no.5:19-31 '63. (MIRA 16:11)

1. TSentral'nyy ekonomicheskiy nauchno-issledovatel'skiy institut Gosplana RSFSR.



17(2,12)

SOV/16-59-6-32/46

AUTHOR:

Freydlin, I.S.

TITLE:

The Antibacterial Action of Extract From Leukocytes of Rabbit Peritoneal Exudate. Author's Summary

PERIODICAL:

Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6,

ABSTRACT:

The author studied the antibacterial action of extract from leukocytes of rabbit peritoneal exudate on Staphylococcus aureus and Shigella flexneri c in vitro. The Staphylococcus aureus strains had marked hemolytic and plasma-coaggulating properties. The tests showed that extracts prepared from suspensions below a density of 30,000 leukocytes per cu mm had no antibacterial action, whereas extracts from suspensions of 30,000 - 50,000 leukocytes/cu mm had definite antibacterial properties. Extracts from suspensions of 65,000 - 90,000 leukocytes/cu mm prevented the growth of colonies on the liquid nutrient medium. Shigella flexneri were more resistant than Staphylococcus aureus to the leukocyte extract. In a number of cases Staphylococcus aureus strains lost their pathogenicity as a result of contact with the extract. The leukocyte extract proved more effective at 37° than at 4°C. The extracts were also relatively thermo-

Card 1/2

SOV/16-59-6-32/46

The Antibacterial Action of Extract From Leukocytes of Rabbit Peritoneal Exudate.

stable, withstanding heating up to 65°C for 30 minutes. However, they lost their bactericidal activity after boiling for 10 minutes. Storage of the extract at 15°C for 2 months led to a decrease in its bactericidal activity of 7-8 times. The results showed that the leukocytes of rabbit peritoneal exudate contain an active bactericidal agent which can be liberated from the leukocytes by extraction.

ASSOCIATION:

Kafedra mikrobiologii I Leningradskogo meditsinskogo instituta imeni Pavlova (Department of Microbiology at the Leningrad No I Medical Institute

SUBMITTED:

June 27, 1958

Card 2/2

FREYDLIN, I.S.

"D.K. Zabolotnyi (1866-1929)" by IA.G. Gimmel'farb, K.M. Grodskii; in series "Outstanding figures in Russian Medicine." Reviewed by I.S. Freidlin. Sov.zdrav. 18 no.4:57-58 59. (MIRA 12:4) (ZABOLOTNYI, DANIIL KIRILLOVICH, 1866-1929) (GIMMEL'FARB, IA.G.) (GRODSKII, K.M.)

FREYDLIN, I.S., vrach (Leningrad)

"Road to health" by IA. N. Trakhtman. Reviewed by I.S.Freidlin.

Zdroov'e 6 no.4132 Ap '60.

(HYGIENE) (TRAKHTMAN, IA.N.)

(MIRA 13:8)

FREYDLIN, I.S.

Change in the phagocyte activity and some cytochemical reactions of leukocytes in the peritoneal exudate of guinea pigs during the process of immunization. Biul. eksp. biol. i med. 52 no.9:80-83 S '61. (MIRA 15:6)

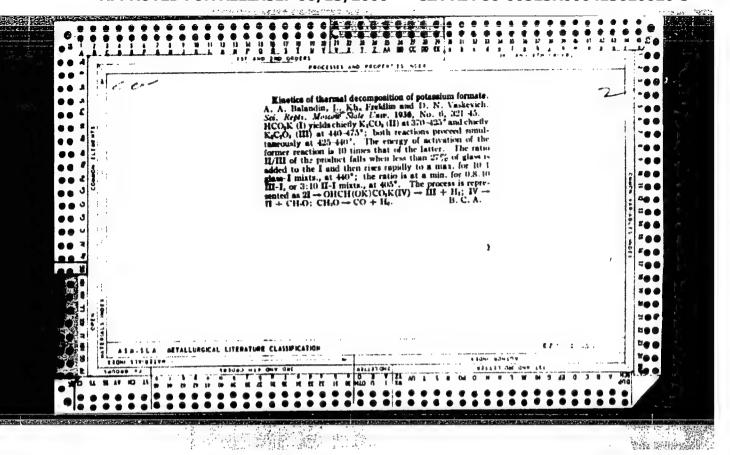
1. Iz kafedry mikrobiologii (zav. - prof. V.N. Kosmodamianskiy) I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym. (PHAGOCTYTOSIS) (EXUDATES)

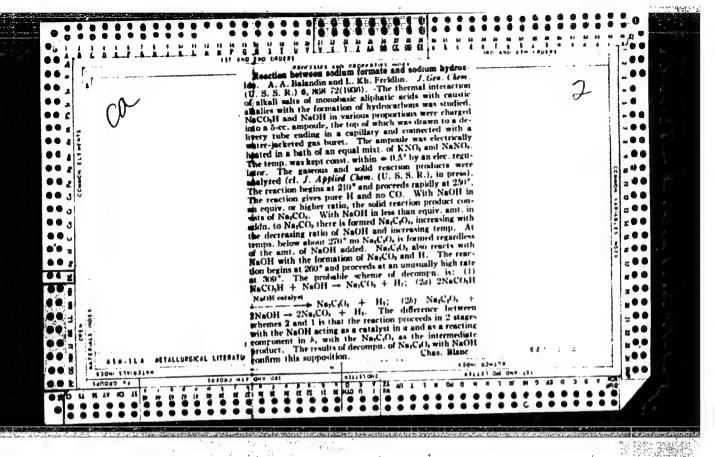
(IMMUNITY)

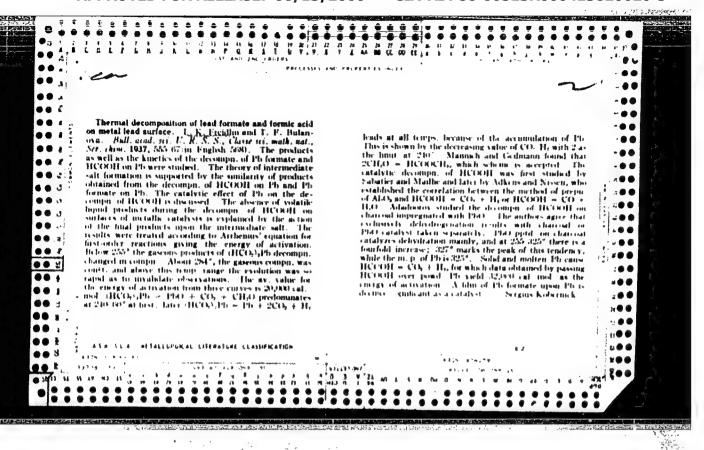
FREYDLIN, I.S.

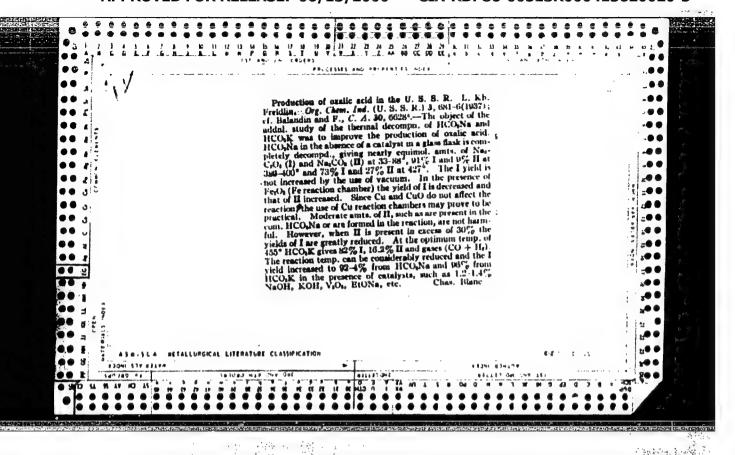
Phagocytic activity and some cytochemical reactions of leucocytes in peritoneal axudate of guinea pigs following immunization with tetravaccine under conditions of different saturation of the body with vitamin C. Zhur. mikrobiol. epid. i immun. 33 no.10:101-205 0162 (MIRA 17:4)

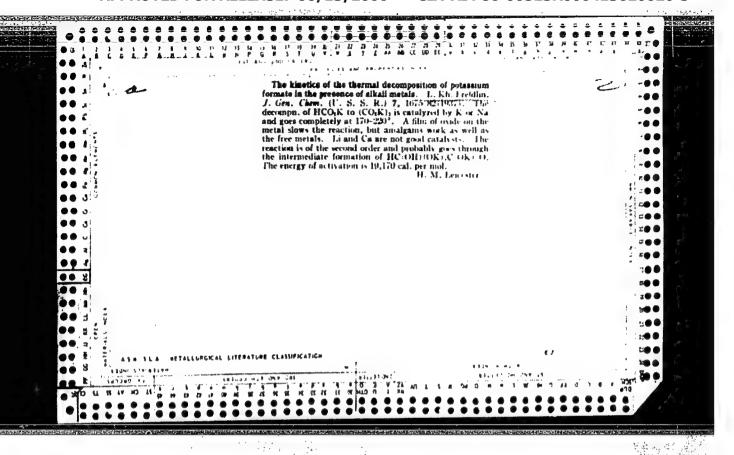
Iz kafedry mikrobiologii I Leningradskogo meditsinskogo instituta imeni akademika Pavlova.

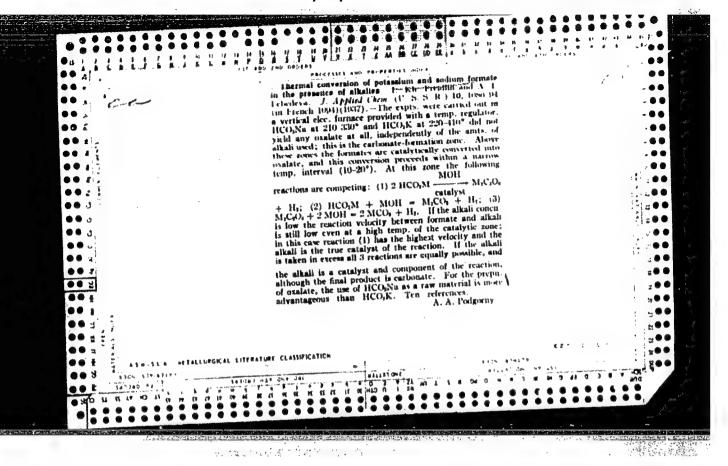


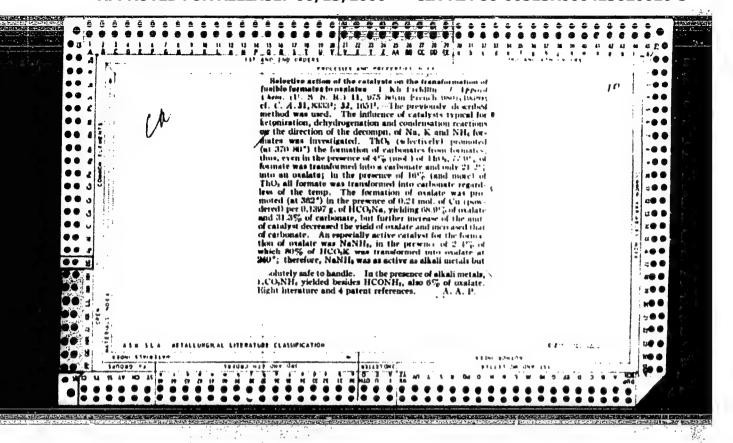


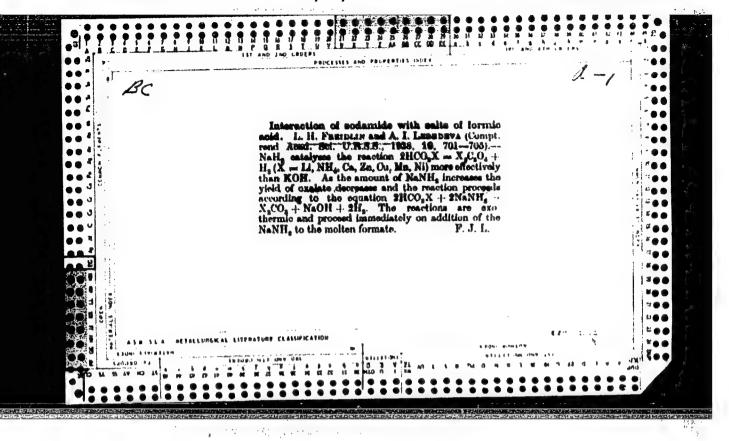


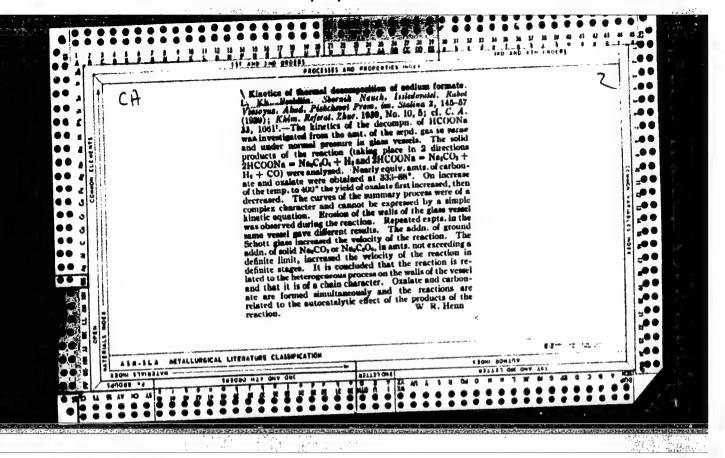


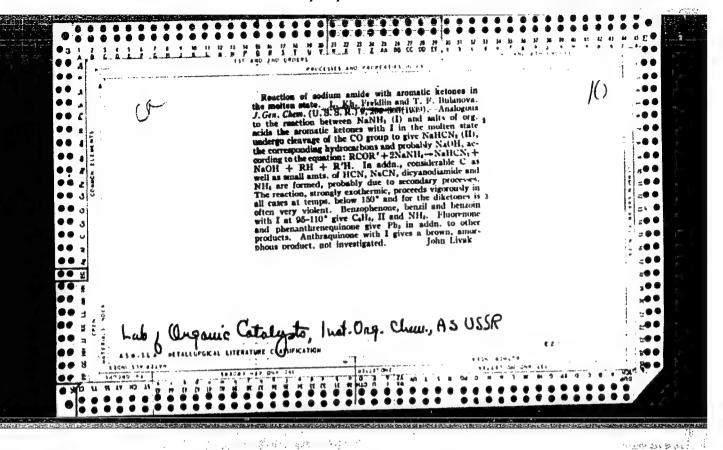


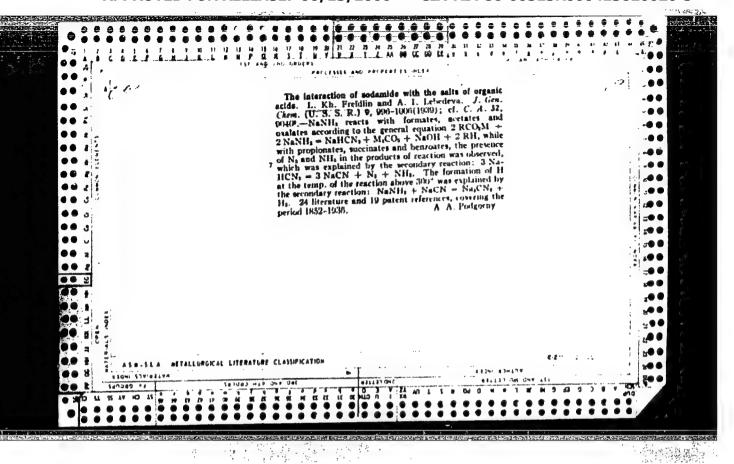






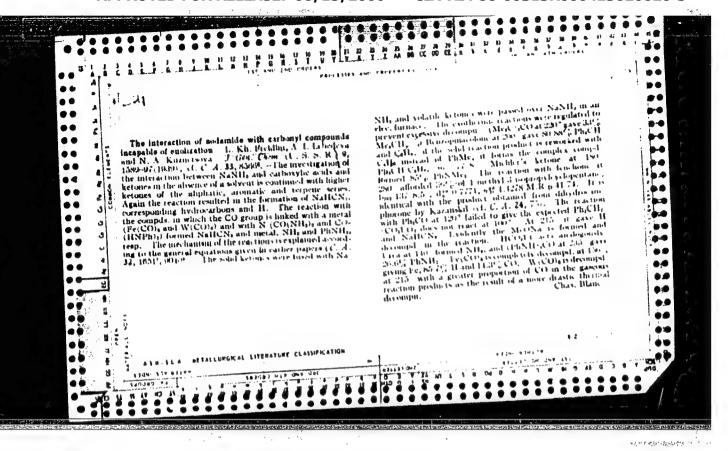


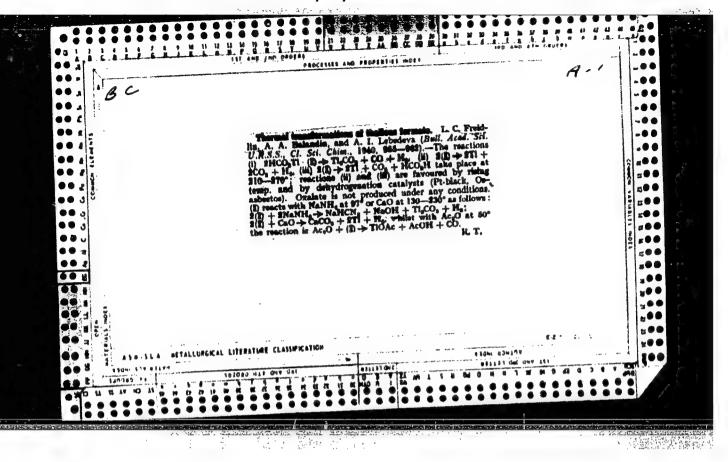


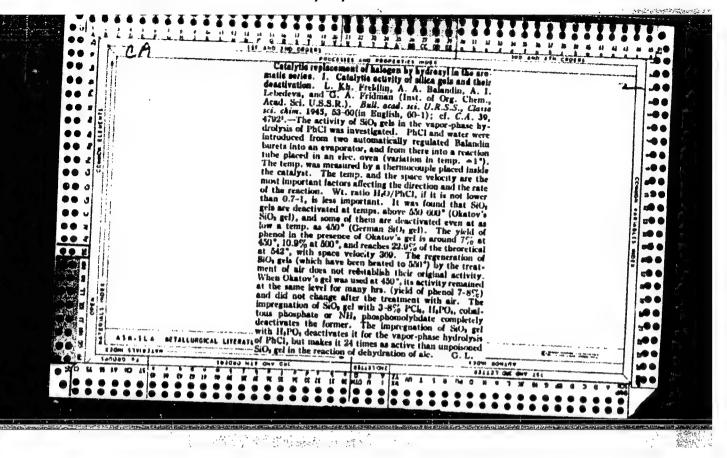


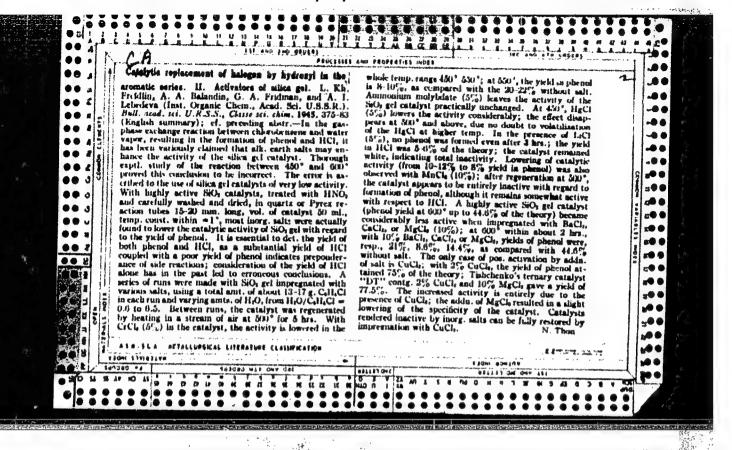
"APPROVED FOR RELEASE: 06/13/2000

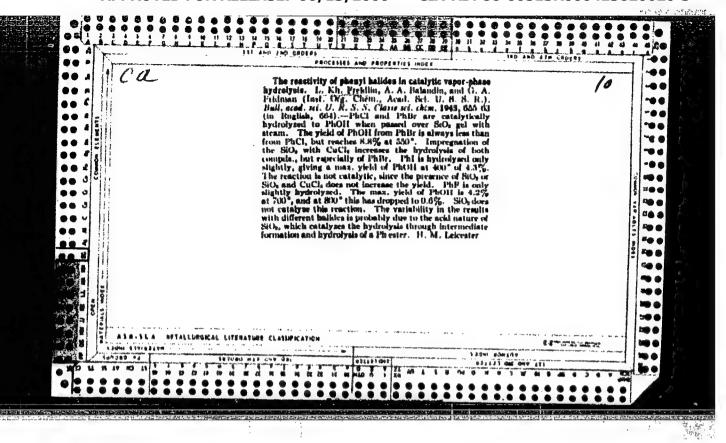
CIA-RDP86-00513R000413620020-3

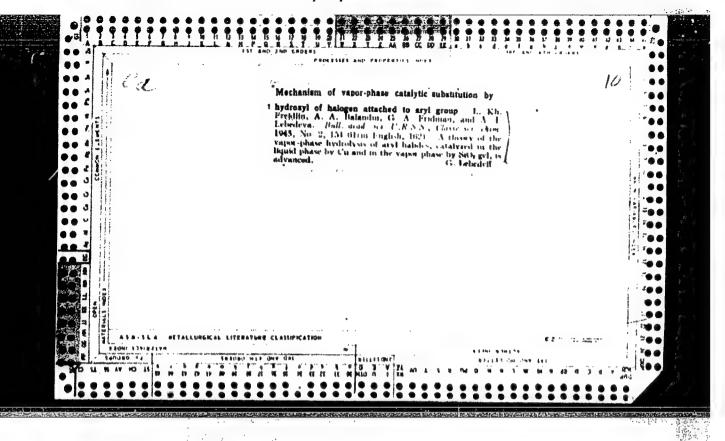


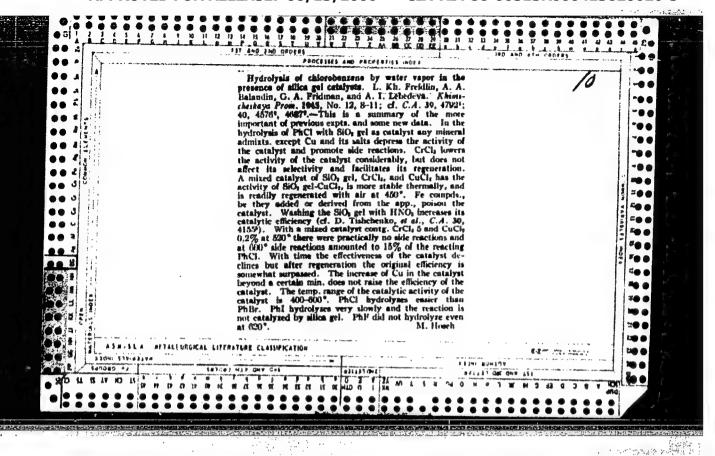


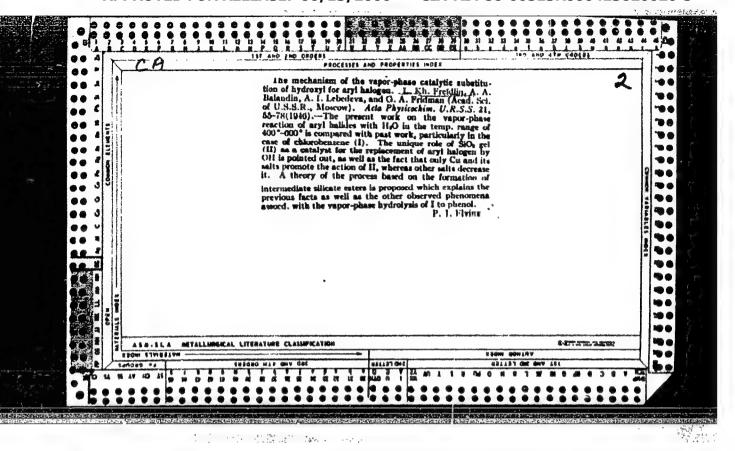


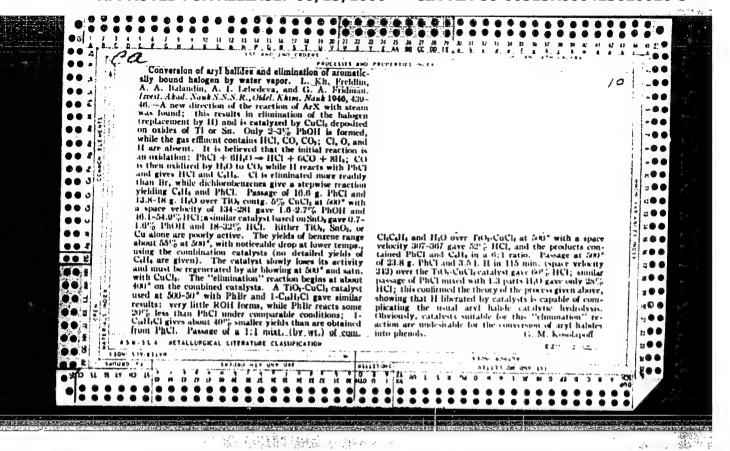


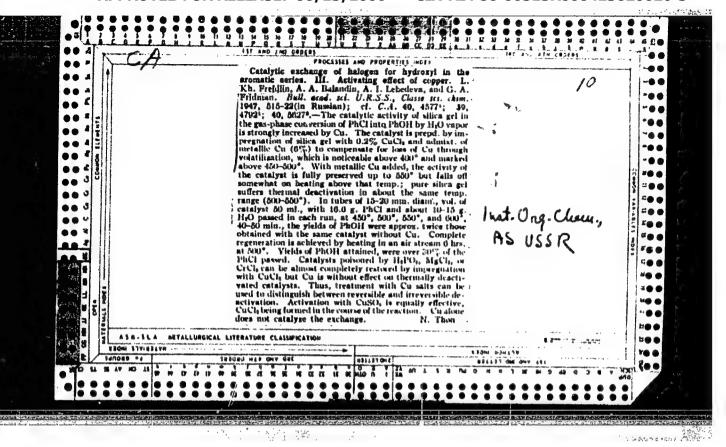












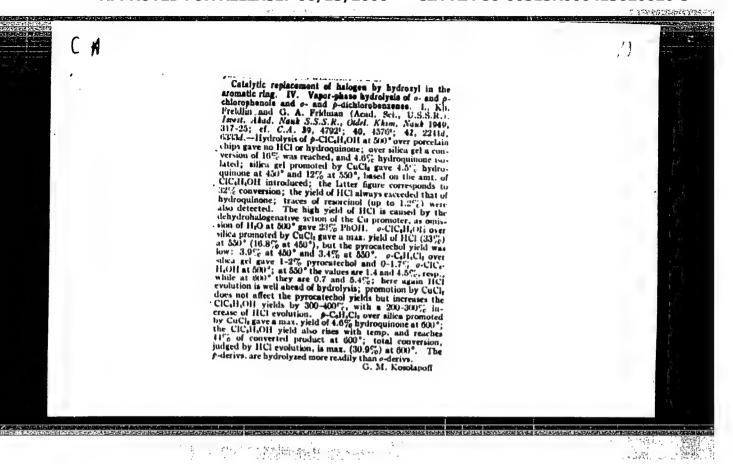
HEYMARK, I.E.; FREYDLIN, L.Kh.; FRIDMAN, G.A.; SHEYNFAYE, R.Yu.

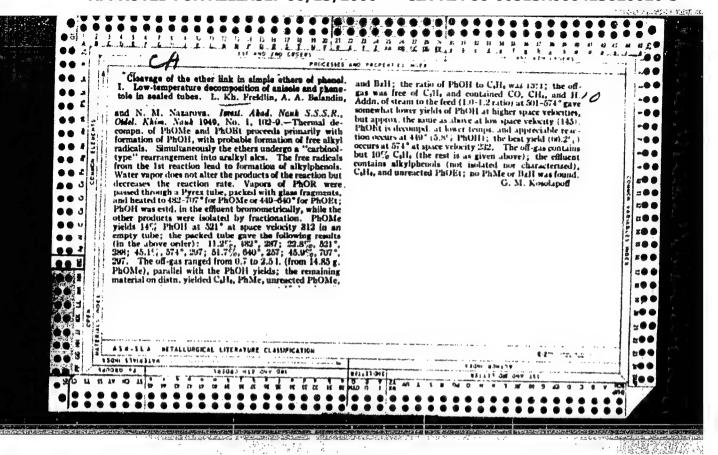
Structural changes of a silica-gel catalyst during its poisoning.

Dop.AN URSR no.5:27-32 149. (MLRA 9:9)

l.Institut fizichnoi khimii imeni L.V.Pisarshevs'kogo AN URSR i Institut organichnoi khimii AN URSR. Predstaviv diysniy chlen AN URSR O.I.Brods'kiy. (Catalysts) (Silica)

Rupture of the other bond in phenoi athers. II. Cel., alytic decomposition of anicole and phenotole. I., Kh., Preblim, A. A. Rahadin, and K. Naka 1999, 198-201; d. C. J. & J. Rahadin, and K. Naka 1999, 198-201; d. C. J. & J. Rahadin, and K. Naka 1999, 198-201; d. C. J. & J. Rahadin, and K. Naka 1999, 198-201; d. C. J. & J. Rahadin, and the temp, range of any 7-rep., and 14 to 160, 14 to 160, the temp, range of any 7-rep., and 14 to 160, 14 to 160, and a companed for a first in a RCA [Cold, and dacked on the companed for a first in a RCA [Cold, and dacked on the companed for a first in a RCA [Cold, and dacked on the companed for a first in a





CA

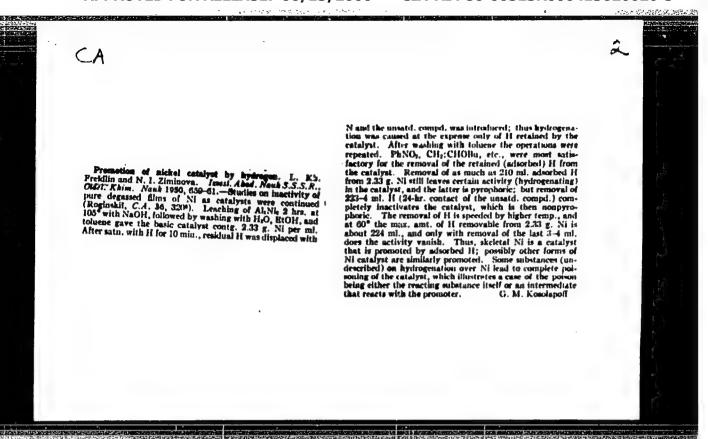
1951

Relation between the type of the porcelly of a cilica gel and its catalytic properties. I., Kh., Pretillia, I. R. Nelmark, G. A. Pridman, R. Yu. Shefitlain and F. I. Khaiset (Inst. Org. Chem., Acad. Sci. U.S.S.R., Moscow). Invest. Abad., Nask N.S.S.R., Ordel. Khim., Nask 1950, 521-50.—The fact that vapor-phase hydrolysis of aryl halides is catalyzed by the typically hydrophilic catalyst allica gel proves that the activation bears on the H₂O; a typical activator of aryl halide, Cu., does not ratalyze the reaction. Only montifying the activation bears on the H₂O; a typical activator of aryl halide, Cu., does not ratalyze the reaction. Only montifying the activity of a cilica gel is governed not only by the catalytic activity of a cilica gel is governed not only by the d. of these centers but by the vol. of the micropores, which dets. the sp. surface area, and the amt. of intermediate porces of the transport of reactants and products. Yields of PhOH and of HCl, from PhCl and H₂O passed in approx. equal amts., at ~300 g./l. catalystyr., in 110-min. (11 g. PhCl) runs at increasing temps. from \$60 to \$50°, with air-stream regeneration at \$62° between runs, were dett. for 6 types of silica gel catalysts with the following characteristics (total pore vol., micropore vol. (ml./g.), vol. of absorbed fliquid Cella at the same pressure, vol. of intermediate porce (ml./g.), Brunauer-Enimett-Teller sp. marface area in sq. m./g.: (1) 0.60, 0.23, 0.00, 0.39, 300; (11) 0.40, 0.23, 0.45, 0.19, 0.94, 400; (11) 0.40, 0.31, 0.45, 0.19, 0.94, 400; (11) 0.40, 0.32, 0.40, 0.14, 500; (11) 1.32, 0.25, 1.19, 0.94, 400; (11) 0.43, 0.32, 0.40, 0.14, 500; (11) 1.30, 0.25, 1.19, 0.94, 400; (11) 0.40, 0.32, 0.40, 0.14, 500; (11) 1.30, 0.18, 0.94, 0.76, 328. Curves of the yield of PhOH (in %) against the temp, are of 3 types; the subsequent fall of the rate is due to kreverable thermal deactivation. This is must marked with catalyst I which has the smallest vol. of intermediate porces. The 2nd type is respectively independent of the temp

III has a tempi-independent activity between \$50 and \$00.0°, followed by a fail. Absence of an increase of the activity with the temp, in the case of II is attributed to the insufficiency of intermediate pores, i.e. to inadequate diffusion. This same factor is responsible for the relatively not very high activity of III, despite its very high microporusity i high attributed of III, despite its very high microporusity is an all micropore and a large intermediate-pore vol., is an 3-shaped curve with the yield steadily increasing with temping to 550°. The selectivity of the catalysts, characterized by the yield ratio HCl/PhOH, is different for the 3 types. It is lowest with silica gels II and III, with the HCl/PhOH yield ratio increasing very strongly with the temp., from about 550° and 600° on, resp. With the gels 1, IV, and V, the ratio begins to increase with the temp. from \$60° and \$60° decreases in the order VI (0.8), V (1.1), IV (1.4), I and III (2.4), i.e. the least micropounds VI is the most thermostable; catalysts I and III, having the smallest vol. of sitermediate pores, are the least stable. Catalyst II is not included in this evaluation on account of the predominant role of inhibited diffusion. An imported silica gel, found to be very highly active at 450°, but almost completely inactivated at 550°, was found to be very highly microporous, and, by the reversibility of its McOH-vapa adsorption curve, almost completely devoid of intermediate pores, which accounts for its exceptionally poor thermostability.

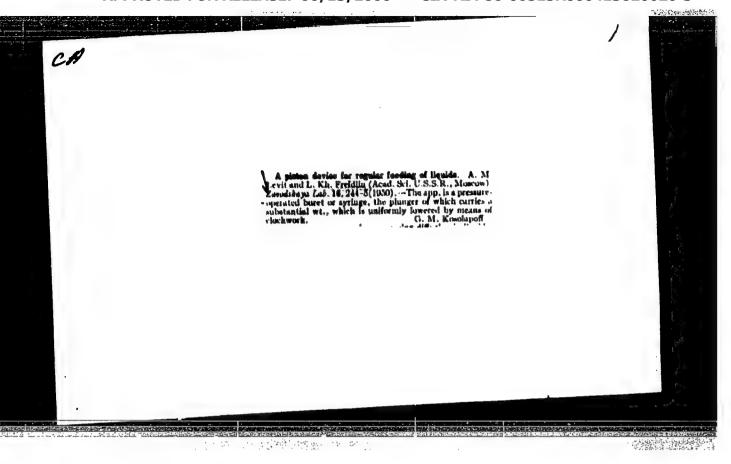
N. Those

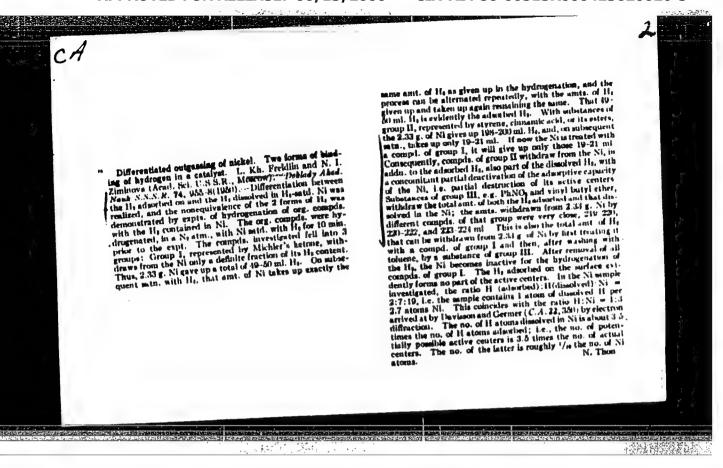
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3"



"APPROVED FOR RELEASE: 06/13/2000 CIA-

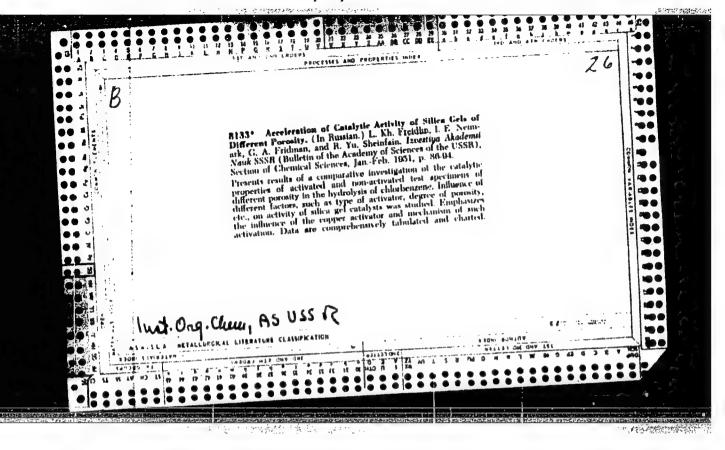
CIA-RDP86-00513R000413620020-3

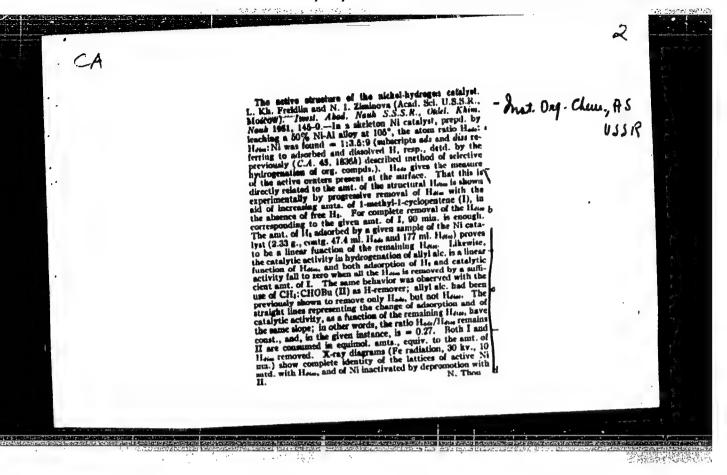


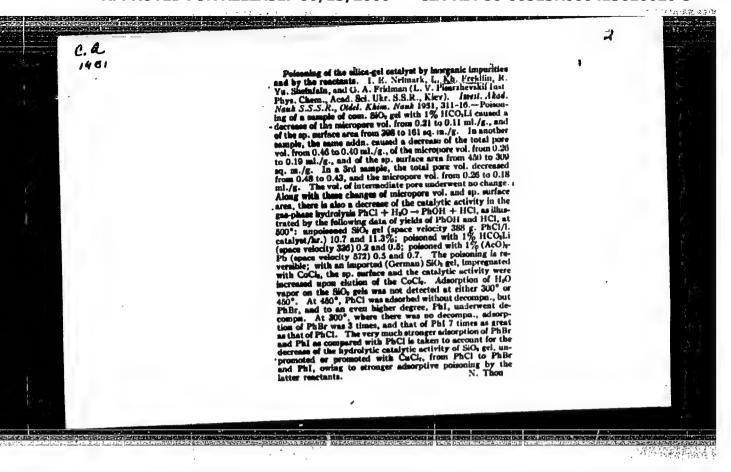


"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620020-3







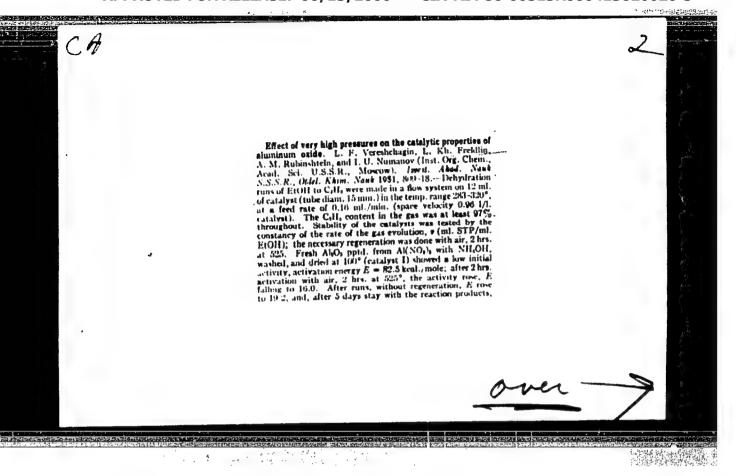
FREIDLIN, L. Kh.

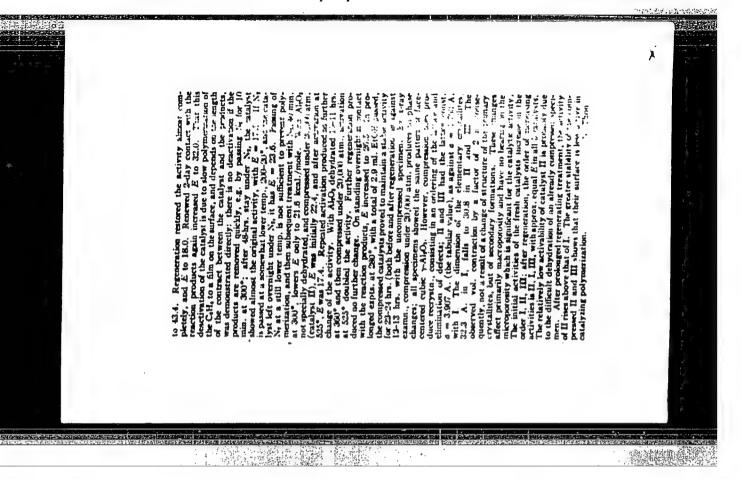
Kinetics of dehydration of formic acid on phosphate salalysts and on aluminum oxide XL kb Errollin and A. M. Levit (Inst. Oig. Chem. Acid. Sci. S. S. R., Moscow.)

Izwest. Ikad. Nauk S.S. S.R., Oldel. Khim. Nauk 1051, 625-30; cf. Zhur. Obshchri Khim. (J. Gen. Chem.) 21, 625-30; cf. Zhur. Obshchri Khim. (J. Gen. Chem.) 21, 1255 (1951).—Flow expts. were made at a feed rate of 0.16 ml. HCO₂H (82 or 100%)/min., on 20 ml. catalyst (wt. 9-11 g., length of column 6 cm.), with analyses of the gas for CO. The exptt. data (temp., ml. gas evolved per ml. HCO₂H, degree of decomput. in %) are: on Ca(H₂PO₂)₁, with 82% HCO₂H: 167°, 30.2, 8.4; 182°, 82.0, 17.7; 198°, 150.0, 33.7; 201°, 184.0, 40.0; 210°, 242.0, 52.2; 218°, 342.0, 73.8%; on Ca₂(PO₂)₂, with 82% HCO₂H: 172°, 20.0, 4.3; 196°, 49.5, 10.7; 200°, 63.7, 13.7; 220°, 121.0, 26.1; 236°, 190.0, 40.0; 248°, 250.1, 50.1; 250°, 303.2, 65.4%; on Ca₂(PO₂)₁, with 100% HCO₂H: 172°, 30.4, 0.6; 276°, 591.0, 100.0%. The gas evolved, in all cases, is 100% CO. The activation energies E (kcal./mole) and preexponential factors k₃ are (with 82% HCO₂H), on Ca(H₂PO₂)₃, 17.6 and 4.8 × 10°, and on Ca₂(PO₂)₃, liCO₂H), on Ca(H₂PO₃)₃, 17.6 and highly active. At a feed rate of 0.22 ml./min., at 276°, will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276° will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276° will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276° will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276° will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenation, and highly active. At a feed rate of 0.22 ml./min., at 276° will ml. pure CO were evolved for 1 ml. HCO₂H, as against dehydrogenat

The firing results in a decrease of the rate by one half, with unchanged E. Preliminary heating to 250–300° increases the rate very considerably, despite some increase of E. The activity of Al₂O₁ is both lower and less selective than that of the Ca phosphates. Exptl. data with Al₂O₂ (conentated the Ca phosphates. Exptl. data with Al₂O₃ (conentated the Ca) in the content in gas in %) are: 100°; 261°, 112.1, 18.8, 94; 310°, 491.0, 83.2, 93; 72%; 261°, 112.1, 18.8, 94; 310°, 491.0, 83.2, 93; 72%; 261°, 79.4, 20.2, —; 310°, 362.0, 92.3, —; 52%; 201°, 62.5, 23.0, —; 310°, 260.0, 98.2, —; 39%; 261°, 42.5, 21.2, 82; 310°, 187.5, 94.2, 80. Treatment of Al₂O₃ by impregnation with K₃O lowers the selectivity still further; with ½% k₃O₃ at 263°, the activity was decreased by 30%, and the anat. of CO in the gas from 93 to 73%. Firing of Al₃O₃ 5 hrs. at 800° lowers its activity by about one half.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413620020-3"





			191723	
FREYDLIN, L. Kh.	USSR/Chemistry - Catalysts (Contd) effectiveness of different inorg admixts. Calcd number of active centers per l g silica.gel, found it to be 10 times as great for 1 mol HCOOH as for 1 mol EtOH.	"Zhur Obshch Khim" Vol XXI, No 7, pp 1255-1264 Investigated kinetics of dehydration of HCOOH at Investigated kinetics of dehydration of HCOOH at 200-300° C on differently treated silica gel 200-300° C on differently treated silica gel specimens, whose apparent activation energies specimens, whose apparent activated vac- vere in the order: thermally deactivated vac- tive promoted with inorg admixts. Gas product tive promoted with inorg admixts. Gas product tive promoted with inorg admixts. Gas product tive promoted with inorg admixts. 191723	USSR/Chemistry - Catalysts "Investigation of the Kinetics of Dehydration of Formic Acid on Silica Gel," L. Kh. Freydlin, A.	The state of the s
				THE STATE OF THE S

TOOK STATES OF

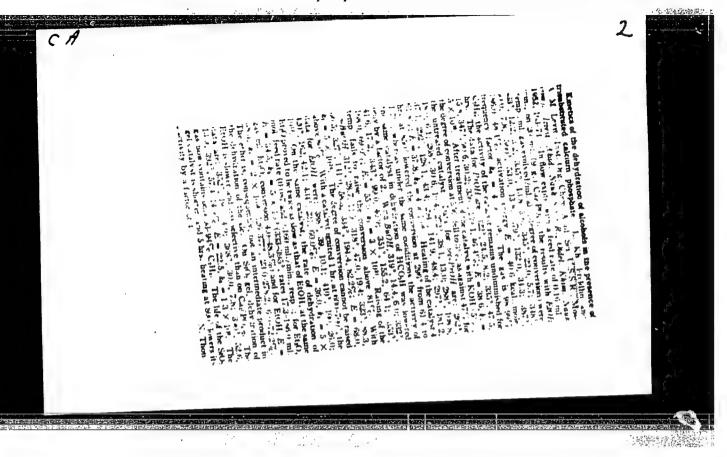
CA

Poisoning of hydrogenation-dehydrogenation catalysts at the light of the theory of their active structure. I. Kh. Freidlin and N. I. Ziminova (Inst. Org. Chem. Acad. Sci. U.S.S.R.; Moscow). Hokisdy Abad. Nask 5.5.3.R. 70., 661-4(1961).—Reasons are enumerated why poisoning of agreat variety of hydrogenation-dehydrogenation catalysts (Pd., Pt., Ni, Co) with a great variety of catalyst "poisons" (O. S. Sc., Te., P. As. Sh. Bi, Cli, Bfr., I., and their compds.) does not, as is commonly and generally assumed, consist in adsorptive "blocking" of active centers, but is due to removal of dissolved if that is an essential promoter of the catalysts. The poisoning effect of this great variety of poisons cannot be due to a reaction with the metal, especially as I, which does not react with Pt-group metals at all, is a catalyst poison even at room temp. That, in all these instances, the "poisoning" consists simply in "depromotion" through nature of that poisoning, and the necessity of renewed hydrogenation to restore the catalytic activity. Purther proof is provided by the stoichiometric proportion between the consumption of the passon and the ant. of dissolved If, and the simple relation between the ant. of dissolved II, and the simple relation between the ant.

duced and the lowering of the activity. The very string polsoning effect of H₂S can be replained by a chain reaction of the type H₂S + H → H₁ + HS; 2HS → H₂ + 2S; S ± H → HS, etc., owing to which one mol of H₂S can bring about the removal of a great no. of H atoms. Regeneration by a atream of H₂ has resentially the effect of satg the outputs anew with H. The observation of Shulkin, et al. (C.1 42, 4437a) that 1-ethyl-1-cyclopentene deactivates the Pt/C catalyst very rapidly, can be readily explained by a consumption of the dissolved H, in agreement with the easy serro-order hydrogenation of cyclopentene at room temp under ordinary prossure; this hydrogenation takes place even in the absence of H₁, solely at the expense of the dissolved H, and results in complete poisoning of the catalyst. In the hydrogenation of 10 ml. of an 8.1MS, soln. of 1-methyl-1-cyclopentene (I) in C.4H., on 2.33 g. Ni, the initial rate of absorption of H₂ was 2 ml./mln.; after 90 mln., that rate fell to 0.5 ml./min., and, after another 90 min. that rate fell to 0.5 ml./min., said, after another 90 min., in o. 2 ml./min. The I content of the soln. fell, at these stages, to 5 and to 1.1%, resp. Superficially adsorbed H is only loosely bound and, being consumed first, protects active centers against depromotion, as long as H₁ is supplied from without. Conditions favoring removal of the dissolved H, such as high temp., vacuum, or a stream of extraneous gas, depromote the catalyst. By practical experience in dehydrogenation and hydrogenation reactions, the strength of the bond between the dissolved-H promoter and the catalyst decreases in the order Pt > Ni > Pd. Acceptors of dissolved H have a depromoting action. The practice of carrying out dehydrogenation in a stream of H₁ is detd by the advisability of keeping up a court, supply of the promoter.

1951

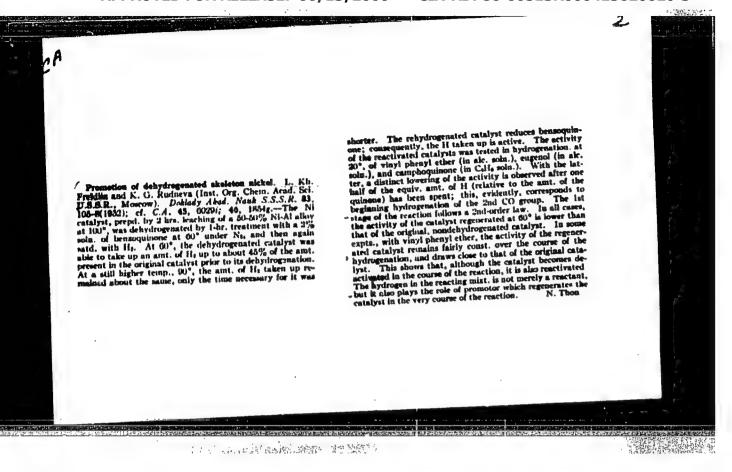
FREYDLIN, L. KH.		insufficient quantity of catal catalyst is deactivated. The diffusion of hydrogen, but it ocity of the reaction of adsortion of hydrogen by adsorption of hydrogen by adsorption in the reaction of the reaction seems either I or II.	USER/Chemistry - Catalysts (Contd)	"Dok Ak Nauk SSSR" Vol LXXXI In expts on the hydrogenation established that hydrogen is alyst in 2 forms, dissolved badsorbed hydrogen (II). I ac promoter: When due to rapid benzoquinone, slow rate of su	WSSR/Chemistry - Catalysts "Kinetics of Removal of the Skeleton Nickel Catalyst and of Activation of Hydrogen," K. G. Rudneva, Inst Org Chem.	
	€ 19 81 5	quantity of catalyst, I is used up, the leactivated. The limiting factor is not hydrogen, but its activation: The velreaction of adsorbed hydrogen with ben-much greater than the rate of activation by adsorption. The energy of active reaction seems to be the same with I.	sts Nov 51	"Dok Ak Nauk SSSR" Vol LXXXI, No 1, pp 59.62 In expts on the hydrogenation of benzoquinone, established that hydrogen is present on the catestablished that hydrogen is present on the catalyst in 2 forms, dissolved hydrogen (I) and adsorbed hydrogen (II). I acts as catalyst promoter: When due to rapid rate of supplying senzoquinone, slow rate of supplying H2, or 19875	IR/Chemistry - Catalysts Nov 51 inetics of Removal of the Promotor From a sleton Nickel Catalyst and the Relative Rate Activation of Hydrogen," L. Kh. Freydlin, G. Rudneva, Inst Org Chem, Acad Sci USSR	



FREYDLIN. L.Kh.; LEVIT, A.M.

Kinetics of the dehydration of alcohols in the presence of trisubstituted calcium phosphato. Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci. *52, 177-

84 [Engl. translation]. (CA 47 no.19:9920 '53)



ECOCH, poisons this catalyst in the dehydration of the use of other catalysts. K2003, which acts as prompter for phosphate catalyst in dehydration of activation energy is reduced, as was found also with hydrogen at the (X and β carbon atoms of ethanol, the

creases its activity.

mol wt. Calcination of the phosphate catalyst dedehydration of normal alcs decreases with increasing

On substitution of the

FREYDLIN, L. KH

USSR/Chemistry - Hydrocarbons

Jan/Feb 52

Acad Sci USSR Presence of Three-Substituted Calcium Phosphate," L. Kh. Freydlin, A. M. Levit, Inst of Org Chem, "The Kinetics of the Dehydration of Alcohols in the

"Iz Ak Nauk, Otdel Khim Nauk" No 1, pp 163-171

are most easily dehydrated by this method, iso-alcs the gas contg 98-99% unsatd compds. Secondary alcs calcium phosphate proceeds highly selectively, with less easily, and normal alcs least. Dehydration of alcs in presence of 3-substituted The rate of

208T14

Jan/Feb 52

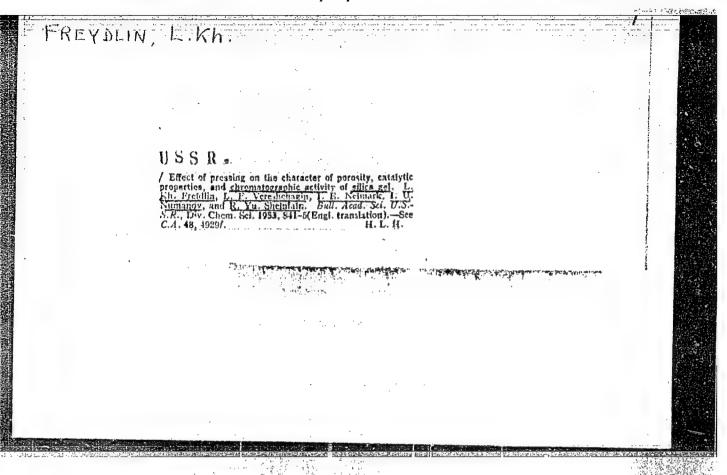
USSR/Chemistry - Hydrocarbons

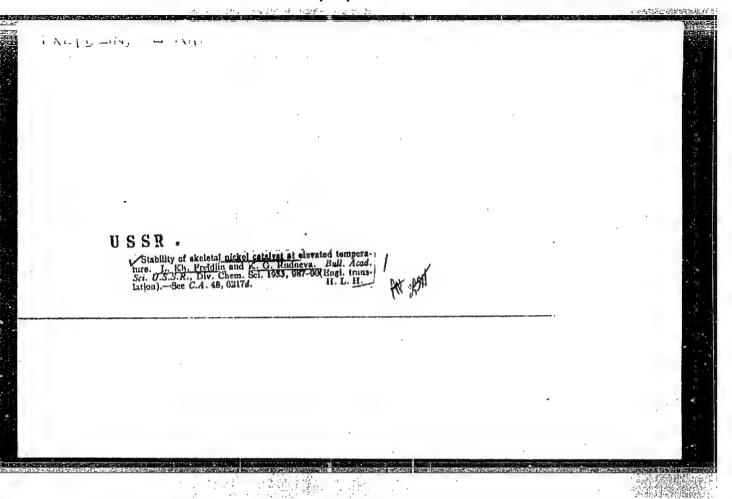
(Contd)

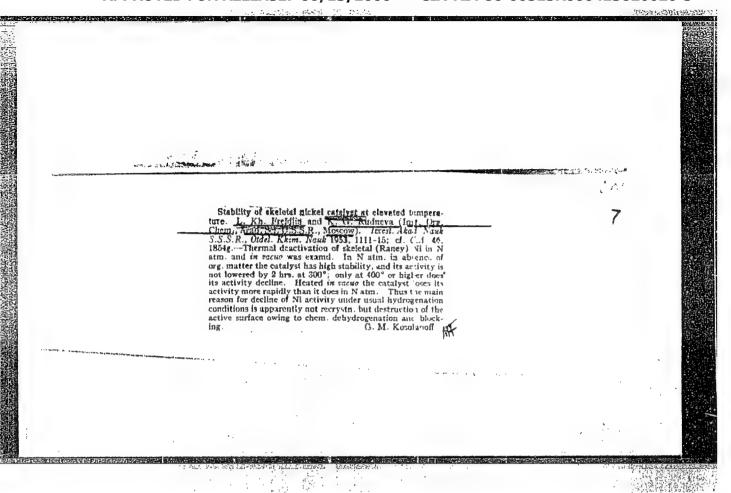
208114

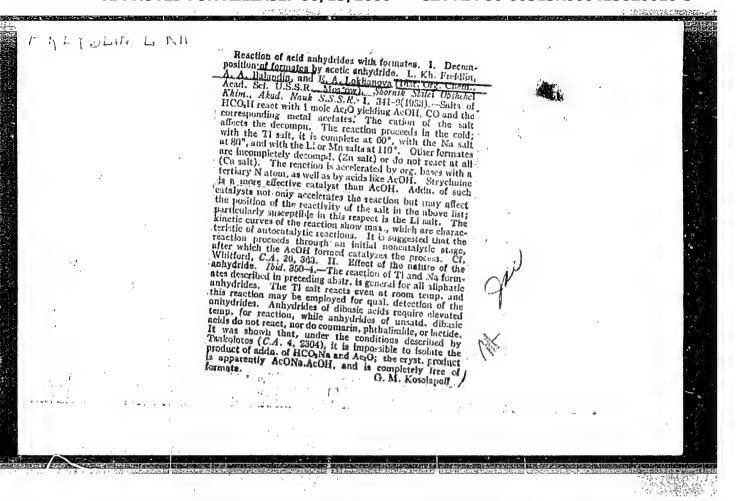
APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620020-3"









FREYDLIN, L. Kh., A. A. Balandin and E. A. Lekhanova

Interaction of Acid Anhydrides with Formates. II. Effect of the Nature of the Anhydride, page 350

Sbornik statey po obshchey khimii (Collection of Papers on General Chemistry), Vol I, Moscow-Leningrad 1953, pages 762-766

Inst of Organic Chemistry, Acad, Sci USSR

FREYDLIN, L. KH.

UESR/Chemistry - Catalysts

• Pub. 40 - 21/22 Card 1/1

Freydlin, L. Kh.; Vereshchagin, L. F.; Neymark, I. E.; Numanov, I. U.; Authors

and Sneymfayn, R. Yu.

Effect of compression on the porosity, catalytic properties and chroma-Title

tographic activity of silica gel

Izv. AN SSSR. Otd. khim. nauk 5, 945-950, Sep-Oct 1953 Periodical

The effect of 20,000 atm pressures on the change in porosity, adsorb-Abstract ability and catalytic properties of silica gel was investigated. The

chromatographic activity of silica gel compressed at 20,000 atm was found to be about 25% lower than the activity of non-compressed s. g. The greatest reduction (almost 50%) in specific sorption volume of pores (total volume of micro- and transient pores) of large porous

silica gel was observed at 5000 atm. but its specific surface area remained unchanged. Maximum reduction in specific sorption volume of pores of micro-porous silica gel was established during compression of

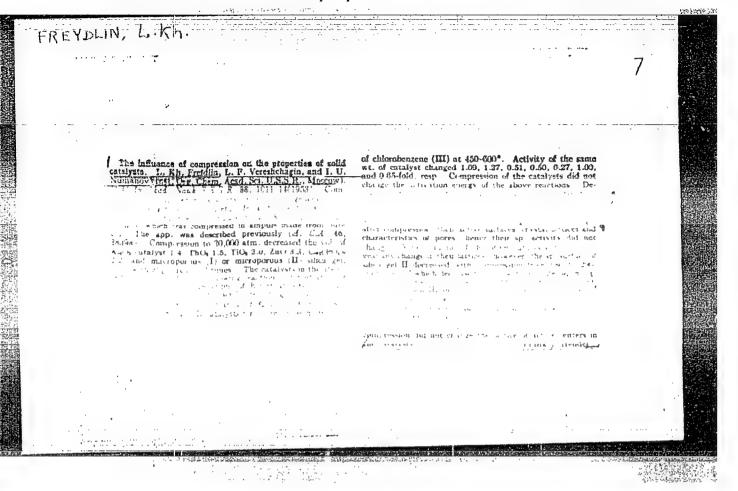
latter at 10,000 atm. Five USSR references (1949-1952). Tables, graphs,

Institution :

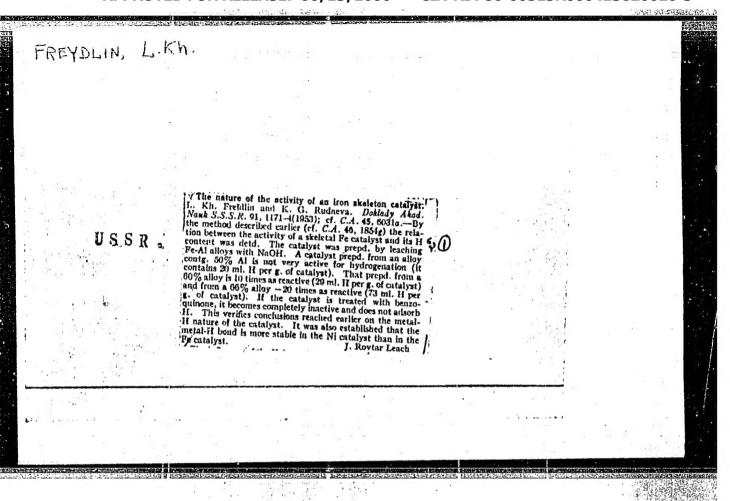
December 13, 1952

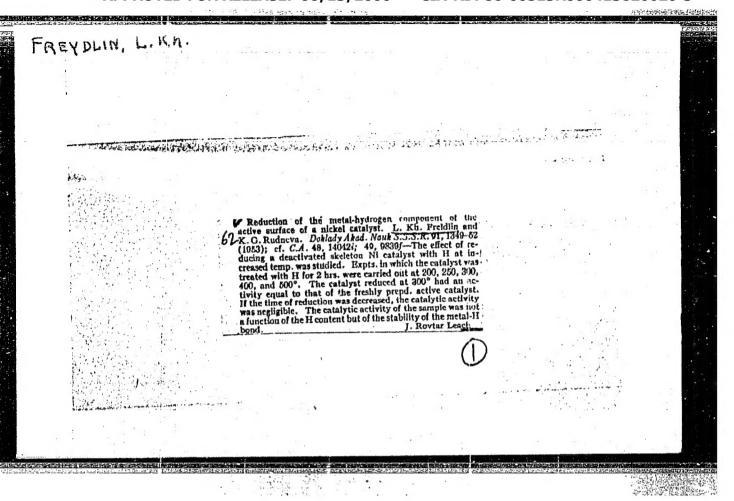
"APPROVED FOR RELEASE: 06/13/2000

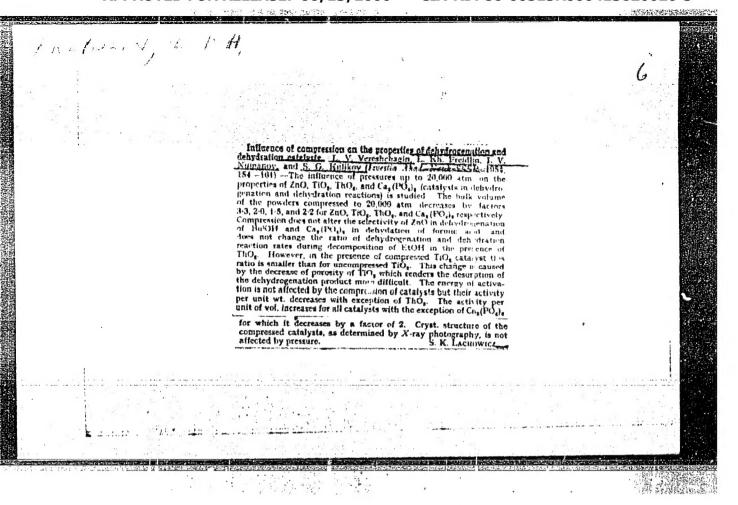
CIA-RDP86-00513R000413620020-3



FREY DLIN,	L.Kn.	and the second s			2001
	•				
					4 2 4 4 4
	· .			;	2
	ussr.	The metal-hydrogen nature of stalysts. J. Kh. Frefdin and K. (hem., Acad. Sci. U.S.S.R.). J. S.S.R. (1983); cl. C. J. (1	certain hydrogenation 2 G. Rudneva (Inst. Org. 2 Doklady Akal. Nauk 1. 48, 14042i, 14043c. J. Roytai Leach		\$6. ************************************
					\$1 10 10
ur, resignation a sandron	sama diseba saigi din ori ori ori selabiti co i		. ६ ६ व्हाराज्या र ६ व्हावस्थानी स्वीत	e - many-afficially digital than provides	
	*, · · · · · · · · · · · · · · · · · · ·	**************************************			
	Property (See All Control of the See All Cont	ali eskul alibera (line) — line aliberatura (line) — a line)		Na Asserta	







"APPROVED FOR RELEASE: 06/13/2000 C

CIA-RDP86-00513R000413620020-3

